

Oil Mist Recovery & Air Purification Process

油霧回收 & 空氣淨化過程

1 Direct Interception
Intercepts 70% of Oil Mist
油霧流線直接截流 攔截油霧高達70%



When oil mist flow through the stainless steel filter at the front end, mist particles can be intercepted and collected easily.

Stainless steel filter can washed and reused.

當油霧流線經過前端濾網時，油霧受到濾網攔截70%之油霧在此收集

不鏽鋼斜織網可清洗，可重複使用，以節省耗材之費用

2 Inertial Hitting
油霧慣性衝擊擋油板



After mist particles flow through the filter, located at the front end, they hit the oil stop plates in the suction direction in order to be collected easily.

Featured with tornado effect to dramatically increase filter efficiency.

當油霧流經前端濾網後，油霧會繼續以吸入方向衝擊到濾網後方的擋油板，再將油霧加以收集

特殊設計，具有龍捲風效應，展現獨特的過濾效果

3 Diffusion Effect
油霧擴散收集



Once mist particles hit the stop plates, they may cause dispersed flow and diffusion, before being easily collected by large area woven screen at the second stage.

Oil mist hitting generates static electricity that absorbs oil mist, making oil droplet collection more convenient.

當油霧撞擊擋油板後，油霧會分流並擴散，此處所裝置的第二道不鏽鋼編織網，可大面積收集油霧

油霧撞擊會產生靜電，具有吸附油霧效果，有助於油落下並加以收集

4 Blade Wheel
Centrifugal Hitting Extra Powerful Centrifugal
透浦式葉輪 超強吸力/離心力



The turbo type blade wheel integrates innovative features such as extra powerful suction force and centrifugal force as well as high speed cyclone that allow oil mist to adhere on the internal walls. Then, mist particles are intercepted by the internal oil stop plates, before being collected.

特殊設計的透浦式葉輪，具有超強吸力及離心力以及高速氣旋特色，使油霧附著在內壁，再經由內部擋油板攔截油霧並加以收集

5 Pressure Detection Gauge
壓力感測表指示 過濾網清潔更換時間



The pressure detection gauge indicates the time when the filter screen need to cleaned or final filter need to replaced, It reduces electricity consumption, while maintaining high efficiency oil mist remove.

鉅偉油霧回收機裝置壓力感測表，以指示過濾網清潔或更換之時間。除了有效節省耗電量，並可確保高效率的除油與除塵

6 Final Filtration (Optional) Smoke Filtration
過濾桶 (選購配備) 終端油煙過濾



Although oil mist has been filtrated at various stages, there is still some smoke contained in the air, Such smoke can be removed with the use of a HEPA filter drum.

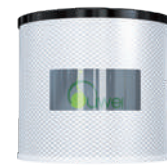
因油霧分子較大，雖然經過幾道油霧收集過程，但是所排出的空氣中，仍含有未完全消除的油煙，因此須加裝HEPA過濾桶，以徹底去除油煙

R OIL MIST COLLECTOR Series 油霧回收機



機型 Model	單位 Unit	JW-001-R	JW-002-R	JW-003-R
馬力 HP	HP	1/2HP 0.37KW	1HP 0.75KW	1.5HP 1.12KW
風量 Air Flow	CMM(m³/min)	11/16 (50Hz/60 Hz)	16/20 (50Hz/60 Hz)	21/26 (50Hz/60 Hz)
吸入口徑 Intake	m/m	125	150	150
電壓 Voltage	V	220/380	220/380	220/380
電流 Electric Cuttent	A	1.6/0.9	3.1/1.7	4.1/2.3
周波 Cycle	HZ	50/60	50/60	50/60
轉速 Speed	R.P.M	2850/3500	2850/3500	2850/3500
噪音 Noise	dB	62	68	70
重量 Weight	kg	38	48	55
長 Length	mm	541	563	568
寬 Width	mm	325	380	450
高 Height	mm	505	566	626

300mm Cartridge Filters 過濾桶



This type of cartridge filter is perfect for water-based cutting applications.

When water moisture and oil mist are generated during machining, a 300mm cartridge filter is recommended.

適用於水性與切削油加工及輕切削。

加工過程中，如果只產生水氣及油霧選配300mm過濾桶即可。

F8 Filter Class 過濾等級 | PM2.5 Efficiency:80% | Service life:2500h
擱載PM2.5達80% | 壽命:2500小時

600mm Cartridge Filters 過濾桶



This type of cartridge filter is suitable for oil-based cutting fluid and heavy cutting applications.

During the heavy machining process, if massive oil smoke is generated in addition to water moisture and oil mist, a 600mm cartridge filter should be applied.

適用於油性切削油加工及重切削。

加工過程中，除了產生水氣及油霧之外，還有重切削所產生的油煙。這種情況需選購600mm過濾桶。

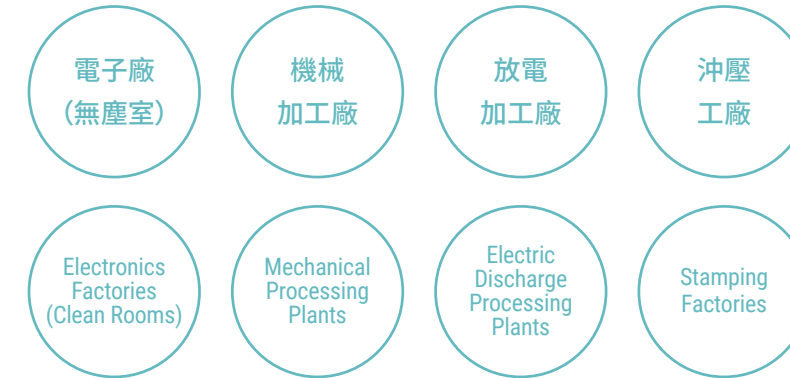
H13 Filter Class 過濾等級 | PM2.5 Efficiency:99.97% | Service life:5000h
擱載PM2.5達99.97% | 壽命:5000小時

Industrial Oil Mist Collectors Application

應用產業及領域

Juwei oil mist collectors supplier has experience with many types of air filtration systems, we developed industrial oil mist collectors with air filter functions that have been applied to a broad range of working environments, and we also have experience in OEM/ODM industrial oil mist collectors, providing customers with the best industrial oil mist collector solutions.

鉅偉油霧回收空氣淨化機(油霧回收機)適用各種加工產業的所有加工機械設備，擁有 OEM/ODM 能力，可提供您完整的解決方案。



Milling Machine 銑床



CNC Lathe 車床



Others 其他



Purification Technology Environmental Protection

淨化科技 定義環保



Ju Wei Machinery co., ltd. focus on designing and producing oil mist air cleaner which is capable of thoroughly reducing oil mist, also offers a unique purification function and consumes less electricity while providing maximum oil mist suction performance. With the rise of environmental awareness and importance of employment diseases, the air cleaner technology in the past cannot solve issues today, so Ju Wei is absorbed in developing oil mist air cleaner to provide a better environment for not only employees but the whole world.

As the growing of the machining, many hazardous substances are released such as exhaust, dust and noise. Now, many machining enterprises are trying to achieve "cleaner production". To fulfill this goal, Ju Wei invites many experts to join our plan to improve the producing technique so that we can provide a higher quality oil mist cleaner to clients. Ju Wei will always concentrate on developing environmental devices and responsible for environmental issues.

鉅偉機械專注於設計並製造節能減碳之油霧回收空氣清淨機，隨著對環保意識的加強以及重視操作人員職業病的預防，以往只單純採用排風措施已很難解決油煙霧的危害，因此，本公司領導專業團隊致力於油霧回收空氣清淨機之製造研發，秉持做環保科技從根扎起，腳踏實地的穩健成長，透過用心的經營管理，迅速而確實的生產流程，對品質錙銖必較的態度，以及對客戶無微不至的服務，讓鉅偉在競爭激烈下得以異軍崛起，並以穩定的速度日漸成長。

隨著機械加工的不斷發展，會釋放出許多有害物質，例如廢氣、灰塵和噪音。現今，許多機械加工企業都在努力實現“清潔生產”。為實現這一目標，鉅偉邀請了眾多專家加入我們的計劃，改進生產技術，以便我們可以為客戶提供更高品質的油霧回收空氣清淨機。鉅偉將始終專注於環保設備的研發，對環境問題負責。

Product Features

產品優勢



Air Purification Technology
油霧回收淨化



Turbo Type Blade Wheel
獨特透浦式葉輪構造



High Efficiency, Low Noise and Vibration
風量大、低噪音、低振動



Oil-Water Separation Design
油水分離設計



3D Hitting Principle
3D撞擊原理設計



Equipped with Filter Life Gauge
附濾網壽命指示錶

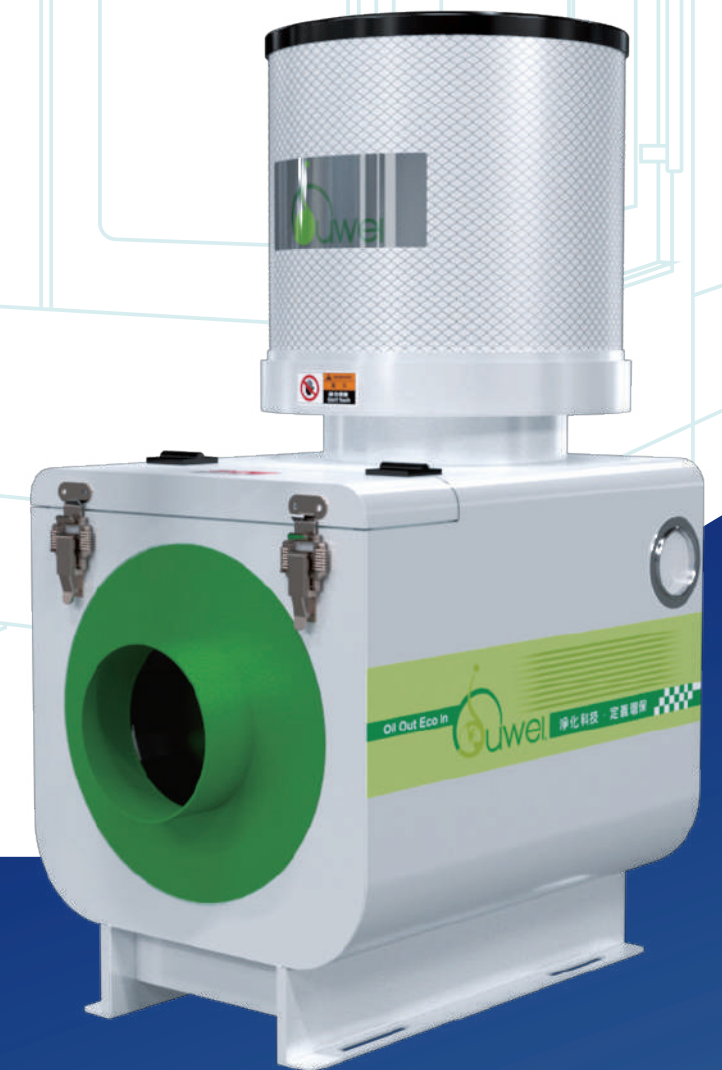


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R OIL MIST COLLECTOR Series 油霧回收機



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